

University of Massachusetts Dartmouth

Awards 1<sup>st</sup> Quarter FY 2011

Updated 2-10-11 JR

**Altabet, Mark A.** School of Marine Science & Technology Estuarine and Ocean Sciences  
SMITHSONIAN INSTITUTION 7/1/2010-6/30/2011  
Collaborative Research: The Missing Anthropogenic N - Assessing Denitrification at the Watershed Scale  
**Amount \$ 19,734 Total Award Budget Amount \$ 19,734**

**Altabet, Mark A.** School of Marine Science & Technology Estuarine and Ocean Sciences  
NATIONAL SCIENCE FOUNDATION 8/1/2010-7/31/2013  
Collaborative Research: High Resolution Paleoceanography in the Heart of the Equatorial Pacific Cold  
Tongue  
**Amount \$ 169,985 Total Award Budget Amount \$ 169,985**

**Bergandy, Jan W** College of Engineering Computer Information Science  
BRISTOL COMMUNITY COLLEGE 12/1/2009-11/30/2011  
CAITE II  
**Amount \$ 60,000 Total Award Budget Amount \$ 60,000**

**Blake, Loretta D.** School of Education, Public Policy & Civic Engagement CUSP  
NATIONAL ENDOWMENT FOR THE HUMANITIES 10/1/2010-12/31/2011  
Sailing to Freedom: New Bedford's Place in the Underground Railroad  
**Amount \$ 177,781 Total Award Budget Amount \$ 177,781**

**Brekka, Maria L.** School of Education, Public Policy & Civic Engagement Kaput Center  
NATIONAL SCIENCE FOUNDATION 9/1/2009-8/31/2011  
Developing Algebra-Ready Students for Middle School: Exploring the Impact of Early Algebra  
**Amount \$ 649,721 Total Award Amount \$ 1,097,749**

**Cadrin, Steven X.** School of Marine Science & Technology Fisheries Oceanography  
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN 9/1/2010-8/31/2011  
New England Multi-Species Survey and Development (MA Marine Fisheries Institute)  
**Amount \$ 2,997,000 Total Award Amount \$ 2,997,000**

**Cai, Shuowei** College of Arts & Science Chemistry & Biochemistry  
U.S. ARMY NATICK SOLDIER CENTER 10/1/2009-10/2/2011

Small Biomolecular Inhibitors for Botulinum Neurotoxins (BoNTs): Understanding the Relationship between the Strength of Binding and the Inhibition of Protease Activity

**Amount \$ 71,396.42    Total Award Amount \$ 116,896.42**

**Chalivendra,Vijaya**    College of Engineering    Mechanical Engineering

NATIONAL SCIENCE FOUNDATION    6/1/2009-5/31/2012

Collaborative Research: Mechanical and Electrical Response of Novel Polymer Grafted CNT Reinforced Copolymers under Quasi-static and Dynamic Loading

**Amount \$ 5,938    Total Award Budget Amount \$ 146,714**

**Chen,Changsheng**    School of Marine Science & Technology    Fisheries Oceanography

WOODS HOLE OCEANOGRAPHIC INSTITUTION    11/1/2007-10/31/2010

KAUST

**Amount \$ 80,000    Total Award Budget Amount \$ 249,816**

**Chen,Changsheng**    School of Marine Science & Technology    Fisheries Oceanography

UNIVERSITY OF NORTH CAROLINA    6/1/2010-5/31/2011

Super-regional Testbed to Improve Models of Environment Processes in the Atlantic

**Amount \$ 75,000    Total Award Budget Amount \$ 75,000**

**Cowles,Geoffrey W.**    School of Marine Science & Technology    Fisheries Oceanography

WOODS HOLE OCEANOGRAPHIC INSTITUTION    1/1/2010-12/31/2011

The Effect of Tidal Power Generation on Sediment Transport in Muskeget Channel

**Amount \$ 27,043    Total Award Budget Amount \$ 27,043**

**Crowley,Patricia A.**    School of Education, Public Policy & Civic Engagement    DCE - O'Connor,Karen

NATIONAL WRITING PROJECT    7/1/2010-6/30/2011

Buzzards Bay Writing Project

**Amount \$ 5,000    Total Award Budget Amount \$ 278,000**

**Daigle,Thomas J.**    Academic Affairs    Academic Resource Center

U.S. DEPARTMENT OF EDUCATION    9/1/2010-8/31/2015

Student Support Services at UMASS Dartmouth for Disadvantaged Students

**Amount \$ 403,504    Total Award Budget Amount \$ 403,504**

**Frizzell,D Christine**    Student Affairs    Southcoast Compeer

CITY OF NEW BEDFORD    7/1/2010-6/30/2011

SouthCoast Compeer Program

**Amount \$ 7,500      Total Award Budget Amount \$ 7,500**

**Gangopadhyay,Avijit**      School of Marine Science & Technology      Estuarine and Ocean Sciences  
HORIZON MARINE, INC      7/1/2010-6/30/2011  
Operational Forecasting of the North Brazil Current Rings  
**Amount \$ 50,000      Total Award Budget Amount \$ 50,000**

**Goodman,Michael D**      School of Education, Public Policy & Civic Engagement      Policy Studies  
TOWN OF DARTMOUTH      7/1/2010-5/31/2011  
Town of Dartmouth Fellowship in Public Policy  
**Amount \$ 17,471      Total Award Budget Amount \$ 17,471**

**Gottlieb,Sigal**      College of Arts & Science      Math  
AIR FORCE OFFICE OF SCIENTIFIC RESEARCH      7/15/2010-7/14/2011  
A Heterogeneous Terascale Computing Cluster for the Development of GPU Optimized High-Order  
Numerical Methods  
**Amount \$ 199,800      Total Award Budget Amount \$ 199,800**

**Gottlieb,Sigal**      College of Arts & Science      Math  
KING ABDULLAH UNIVERSITY      9/26/2010-9/25/2013  
Positive Numerical Solution of Differential Equations  
**Amount \$ 202,362.34      Total Award Budget Amount \$ 202,362.34**

**He,Pingguo**      School of Marine Science & Technology      Fisheries Oceanography  
UNIVERSITY OF NEW HAMPSHIRE      6/1/2010-5/31/2012  
Topless Shrimp Trawls for the Gulf of Maine Shrimp Fishing Industry  
**Amount \$ 33,708      Total Award Budget Amount \$ 33,708**

**He,Pingguo**      School of Marine Science & Technology      Fisheries Oceanography  
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN      8/1/2010-1/31/2012  
Testing of the Rope Separator Haddock Trawl on Georges Bank  
**Amount \$ 247,090      Total Award Budget Amount \$ 247,090**

**He,Pingguo**      School of Marine Science & Technology      Fisheries Oceanography  
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN      8/1/2010-1/31/2011  
Test of Floating Trawl Bridles to Reduce Finfish Bycatch for Gulf of Maine Pink Shrimp Fishery  
**Amount \$ 122,550      Total Award Budget Amount \$ 122,550**

**Hegedus,Stephen J.**      School of Education, Public Policy & Civic Engagement      Kaput Center

NATIONAL SCIENCE FOUNDATION 7/1/2009-6/30/2011  
Dynamic Haptic Geometry in Elementary and Undergraduate Classrooms  
**Amount \$ 183,732 Total Award Budget Amount \$ 380,262**

Howes,Brian L. School of Marine Science & Technology Estuarine and Ocean Sciences  
TOWN OF WEST TISBURY 8/1/2007-9/30/2009  
**Amount \$ 20,625 Total Award Budget Amount \$ 41,250**

Howes,Brian L. School of Marine Science & Technology Estuarine and Ocean Sciences  
TOWN OF WELLFLEET 7/1/2008-6/30/2011  
Water Quality Monitoring Wellfleet  
**Amount \$ 12,800 Total Award Budget Amount \$ 43,800**

Howes,Brian L. School of Marine Science & Technology Estuarine and Ocean Sciences  
TOWN OF ORLEANS 7/1/2009-6/30/2011  
Town of Orleans Water Quality Monitoring '09  
**Amount \$ 6,000 Total Award Budget Amount \$ 12,750**

Howes,Brian L. School of Marine Science & Technology Estuarine and Ocean Sciences  
TOWN OF CHATHAM 4/26/2010-7/30/2010  
MEP - Nitrogen Modeling Scenarios of Muddy Creek  
**Amount \$ 7,000 Total Award Budget Amount \$ 7,000**

Howes,Brian L. School of Marine Science & Technology Estuarine and Ocean Sciences  
WESTPORT WATERSHED ALLIANCE 7/1/2010-6/30/2011  
Westport River Watershed Alliance Freshpond Water Quality Monitoring  
**Amount \$ 3,750 Total Award Budget Amount \$ 3,750**

Howes,Brian L. School of Marine Science & Technology Estuarine and Ocean Sciences  
TOWN OF BARNSTABLE 7/13/2010-6/30/2011  
Laquaquet Water Quality Monitoring  
**Amount \$ 4,990 Total Award Budget Amount \$ 4,990**

Howes,Brian L. School of Marine Science & Technology Estuarine and Ocean Sciences  
CAMP DRESSER AND MCKEE INC 8/1/2010-9/30/2011  
WQ Assays - City of Brockton  
**Amount \$ 5,600 Total Award Budget Amount \$ 5,600**

Howes,Brian L. School of Marine Science & Technology Estuarine and Ocean Sciences  
TOWN OF DENNIS 8/6/2010-8/6/2011

Town of Dennis Scargo Lake

**Amount \$ 22,860      Total Award Budget Amount \$ 22,860**

**Howes,Brian L.**      School of Marine Science & Technology      Estuarine and Ocean Sciences

CAMP DRESSER AND MCKEE INC      9/28/2010-9/27/2011

Mount Hope Bay WQ Sampling Program

**Amount \$ 170,000      Total Award Budget Amount \$ 170,000**

**Howes,Brian L.**      School of Marine Science & Technology      SMAST - Howes

TOWN OF YARMOUTH      7/1/2003-6/30/2011

Town of Yarmouth Support for Bass River, Mill Creek, Lewis Bay, Parker River Partnership with the Massachusetts Estuaries Project

**Amount \$ 2400      Total Award Budget Amount \$ 328,900**

**Jennings,Susan**      College of Arts & Science      Sustainability Program

BROCKTON AREA WORKFORCE INVESTMT BD      7/1/2010-12/31/2010

FY '11 Clean Energy State Energy Sector Partnerships

**Amount \$ 34109      Total Award Budget Amount \$ 34,109**

**Jennings,Susan**      College of Engineering      Sustainability Program

U.S. DEPARTMENT OF ENERGY      10/1/2010-9/30/2012

Weatherization Assistance Program

**Amount \$ 964,215      Total Award Budget Amount \$ 964,215**

**Jochim,Lisa A.**      College of Arts & Science      Labor Extension Program

BRISTOL COMMUNITY COLLEGE      7/1/2010-6/30/2011

"Step Up to College": An ABE Transitions to Community Colleges Program

**Amount \$ 3,500      Total Award Budget Amount \$ 3,500**

**Jochim,Lisa A.**      School of Education, Public Policy & Civic Engagement      Center of Labor Education

VERIZON MASSACHUSETTS      9/1/2010-8/31/2011

Verizon Foundation English as a Second Language

**Amount \$ 10,000      Total Award Budget Amount \$ 10,000**

**Jochim,Lisa A.**      School of Education, Public Policy & Civic Engagement      Center of Labor Education

MASSACHUSETTS DEPARTMENT OF EDUCATION      9/1/2010-8/31/2011

Community Adult Learning Center FY11

**Amount \$ 479,448      Total Award Budget Amount \$ 479,448**

**Jochim, Lisa A.** School of Education, Public Policy & Civic Engagement Center of Labor Education  
MA DEPT OF ELEMENTARY & SECONDARY ED 9/7/2010-8/31/2011  
Adult Basic Education Integrated Distance Learning  
**Amount \$ 10,000 Total Award Budget Amount \$ 10,000**

**Khanna, Gaurav** College of Engineering Physics  
NATIONAL SCIENCE FOUNDATION 9/1/2010-8/31/2012  
GOALI: An Exploration of the Use of OpenCL for Numerical Modeling & Data Analysis  
**Amount \$ 166,499 Total Award Budget Amount \$ 166,499**

**Koot, Gerard M** College of Arts & Science MAT Program  
NATIONAL ENDOWMENT FOR THE HUMANITIES 10/1/2010-9/30/2011  
The Dutch Republic and Britain: The Making of Modern Society and a European World Economy  
**Amount \$ 190,470 Total Award Budget Amount \$ 190,470**

**Kruger, Cynthia G** School of Education, Public Policy & Civic Engagement Teaching & Learning  
GREATER NB WORKFORCE INVESTMENT AREA 7/1/2010-6/30/2011  
UMD Camp/Project Success  
**Amount \$ 30,638.68 Total Award Budget Amount \$ 63,276.69**

**Krumholz, Susan T** College of Arts & Science Sociology/Anthropology  
UNIVERSITY OF MASSACHUSETTS - LOWELL 3/1/2010-3/31/2011  
Postsecondary Education: Integrating Crime Victims' Issues into College Curricula  
**Amount \$ 9,018 Total Award Budget Amount \$ 9,018**

**Li, Yifei** College of Engineering Electrical Computer Engineerin  
NAVAL RESEARCH LABORATORY 8/17/2010-2/17/2012  
Spatially Modulated Gain Waveguide Electro-optic Laser  
**Amount \$ 199,880 Total Award Budget Amount \$ 199,880**

**Maiocco, Carmen J.** College of Nursing Lead Paint Program  
MA DEPARTMENT OF PUBLIC HEALTH 7/1/2009-6/30/2011  
Childhood Lead Posioning Prevention program  
**Amount \$ 217,218 Total Award Budget Amount \$ 878,072**

**Miller, John Richard** Office of the Chancellor Economic Development  
U.S. DEPARTMENT OF ENERGY 12/1/2009-11/30/2011  
Marine Renewable Energy Center  
**Amount \$ 750,000 Total Award Budget Amount \$ 1,701,500**

**Miller, John Richard** Office of the Chancellor Economic Development  
U.S. DEPARTMENT OF INTERIOR 10/1/2010-9/30/2012  
Roadmap: Technologies for Cost Effective, Spatial Resource Assessments for Offshore Renewable Energy  
**Amount \$ 748,035 Total Award Budget Amount \$ 748,035**

**Mogawer, Walaa S** College of Engineering Civil/Environmental Engineering  
FEDERAL AVIATION ADMINISTRATION FAA 6/18/2009-8/3/2011  
Pavement Rehabilitation Strategies for Ramps at Airports with Commercial Service Primary Service Levels  
**Amount \$ 66,901.63 Total Award Budget Amount \$ 109,901.42**

**Mogawer, Walaa S** College of Engineering Civil/Environmental Engineering  
UNIVERSITY OF NEW HAMPSHIRE 8/11/2010-12/31/2013  
Evaluation of Plant-Produced High-Percentage RAP Mixtures in the Northeast  
**Amount \$ 149,348 Total Award Budget Amount \$ 149,348**

**Moosavi, Sadredin C** School of Education, Public Policy & Civic Engagement STEM  
NATIONAL SCIENCE FOUNDATION 9/1/2010-8/31/2011  
RAPID: Effect of Deepwater Horizon Oil Spill Deposits and Beach Clean Up on Erosional and Depositional Processes on Wild and Human-Nourished Beaches on Grand Isle, Louisiana  
**Amount \$ 10,001 Total Award Budget Amount \$ 10,001**

**Neto, Catherine A.** College of Arts & Science Chemistry & Biochemistry  
CRANBERRY INSTITUTE 5/1/2010-10/31/2011  
Cranberry Phytochemicals & the Role of Hedgehog Signaling in Prostate Cancer  
**Amount \$ 15,500 Total Award Budget Amount \$ 15,500**

**Neto, Catherine A.** College of Arts & Science Chemistry & Biochemistry  
UNIVERSITY OF MASSACHUSETTS - AMHERST 7/1/2010-8/31/2011  
Overcoming Barriers to Sustainable Cranberry Production: A Study of Cranberry Phytochemistry, Ecology, and Physiology  
**Amount \$ 40,000 Total Award Budget Amount \$ 40,000**

**O'Connor, Karen A.** School of Education, Public Policy & Civic Engagement CUSP-Ctr for Univ  
Sch Partner  
U.S. DEPARTMENT OF EDUCATION 10/1/2006-9/30/2011  
SouthCoast Teacher Corps Partnership  
**Amount \$ 371,831 Total Award Budget Amount \$ 1,718,388**

**Oliveira, Kenneth** College of Arts & Science Biology  
US FISH AND WILDLIFE SERVICE FWS 6/25/2009-12/31/2012  
Reproductive Effects of PCB Contamination on Artificially Matured and Fertilized American Eels, Anguilla  
Rostrata  
**Amount \$ 57,100 Total Award Budget Amount \$ 117,200**

**Oliveira, Kenneth** College of Arts & Science Biology  
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN 9/6/2010-9/5/2011  
Histology & Otolith-Base Study of Black Sea Bass  
**Amount \$ 33,000 Total Award Budget Amount \$ 33,000**

**Rice, John M** College of Engineering Mechanical Engineering  
PROGENY SYSTEMS CORPORATION 7/26/2010-1/28/2011  
External Pipe Sound Pressure Level Sensor  
**Amount \$ 20,984 Total Award Budget Amount \$ 20,984**

**Sims Knight, Judith** College of Arts & Science Psychology  
NATIONAL SCIENCE FOUNDATION 10/1/2010-9/30/2013  
Can Student Use Assessment-based Double-loop Learning to Improve Their Design Skills  
**Amount \$ 198,905 Total Award Budget Amount \$ 198,905**

**Stokesbury, Kevin D.E.** School of Marine Science & Technology Fisheries Oceanography  
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN 6/1/2010-5/31/2011  
High-Resolution Video Survey of teh Sea Scallop Resource, Recruitment Patterns  
**Amount \$ 140,500 Total Award Budget Amount \$ 140,500**

**Stokesbury, Kevin D.E.** School of Marine Science & Technology Fisheries Oceanography  
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN 6/1/2010-5/31/2011  
Tracking a Large Sea Scallop Recruitment Event with High-Resolution Video Survey  
**Amount \$ 103,360 Total Award Budget Amount \$ 103,360**

**Stokesbury, Kevin D.E.** School of Marine Science & Technology Fisheries Oceanography  
NATIONAL FISH AND WILDLIFE FOUNDATION NF 6/30/2010-6/30/2012  
River Herring Bycatch Avoidance in Small Mesh Fisheries (MA)  
**Amount \$ 305,640 Total Award Budget Amount \$ 305,640**

**Stokesbury, Kevin D.E.** School of Marine Science & Technology Fisheries Oceanography  
NATIONAL FISH AND WILDLIFE FOUNDATION NF 7/1/2010-7/1/2012  
River Herring bycatch Avoidance in samll Mesh fisheries-NJ  
**Amount \$ 117,500 Total Award Budget Amount \$ 117,500**

**Stokesbury, Kevin D.E.** School of Marine Science & Technology Fisheries Oceanography  
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN 9/1/2010-8/31/2011  
Scallop Fishery Assessment (Massachusetts Marine Fisheries Institute)  
**Amount \$ 999,000 Total Award Budget Amount \$ 999,000**

**Vokkarane, Vinod M.** College of Engineering Computer Information Science  
U.S. DEPARTMENT OF ENERGY 9/1/2010-8/31/2011  
COMMON: Coordinated Multi-layer Multi-domain Optical Network Framework  
**Amount \$ 174,993 Total Award Budget Amount \$ 524,991**